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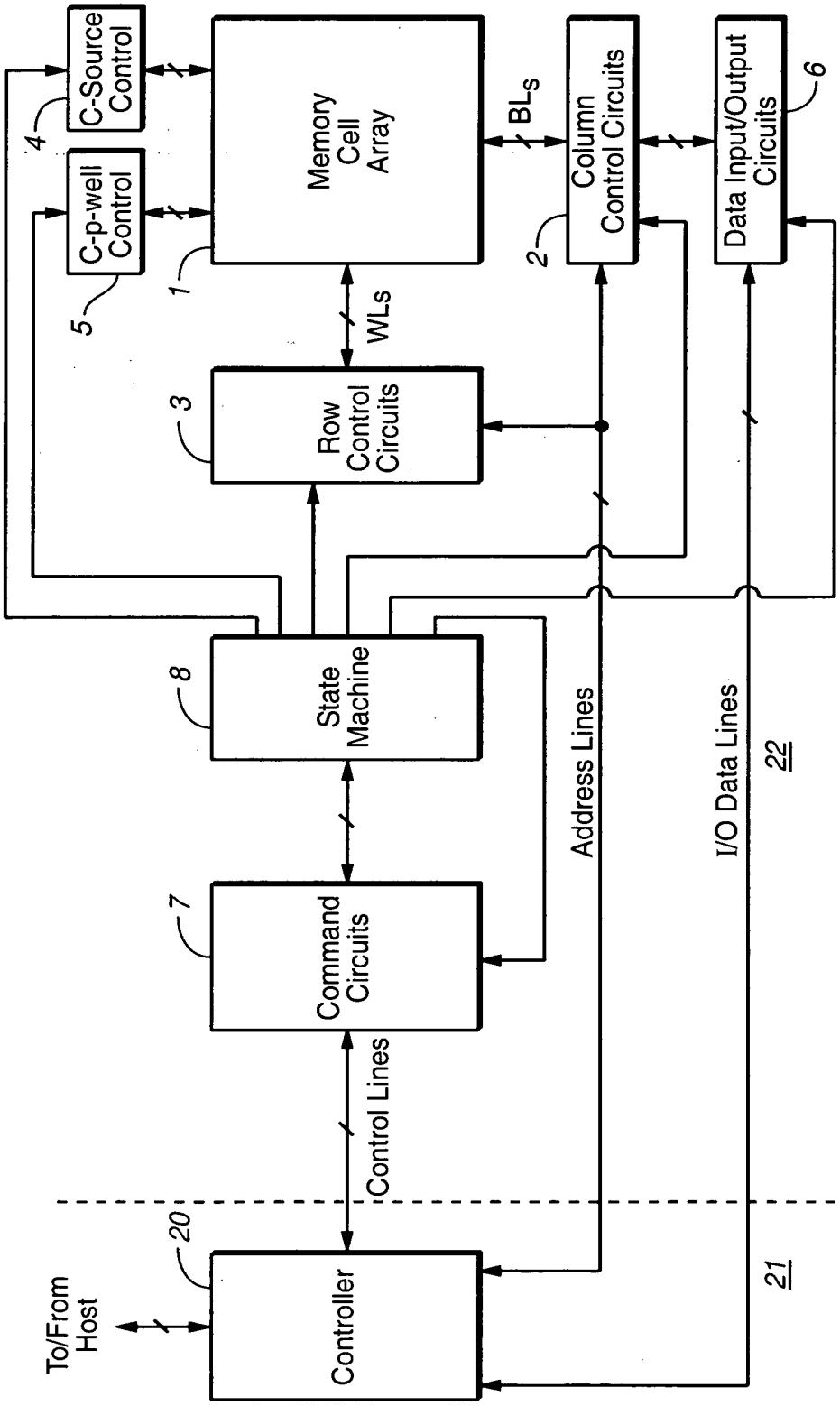
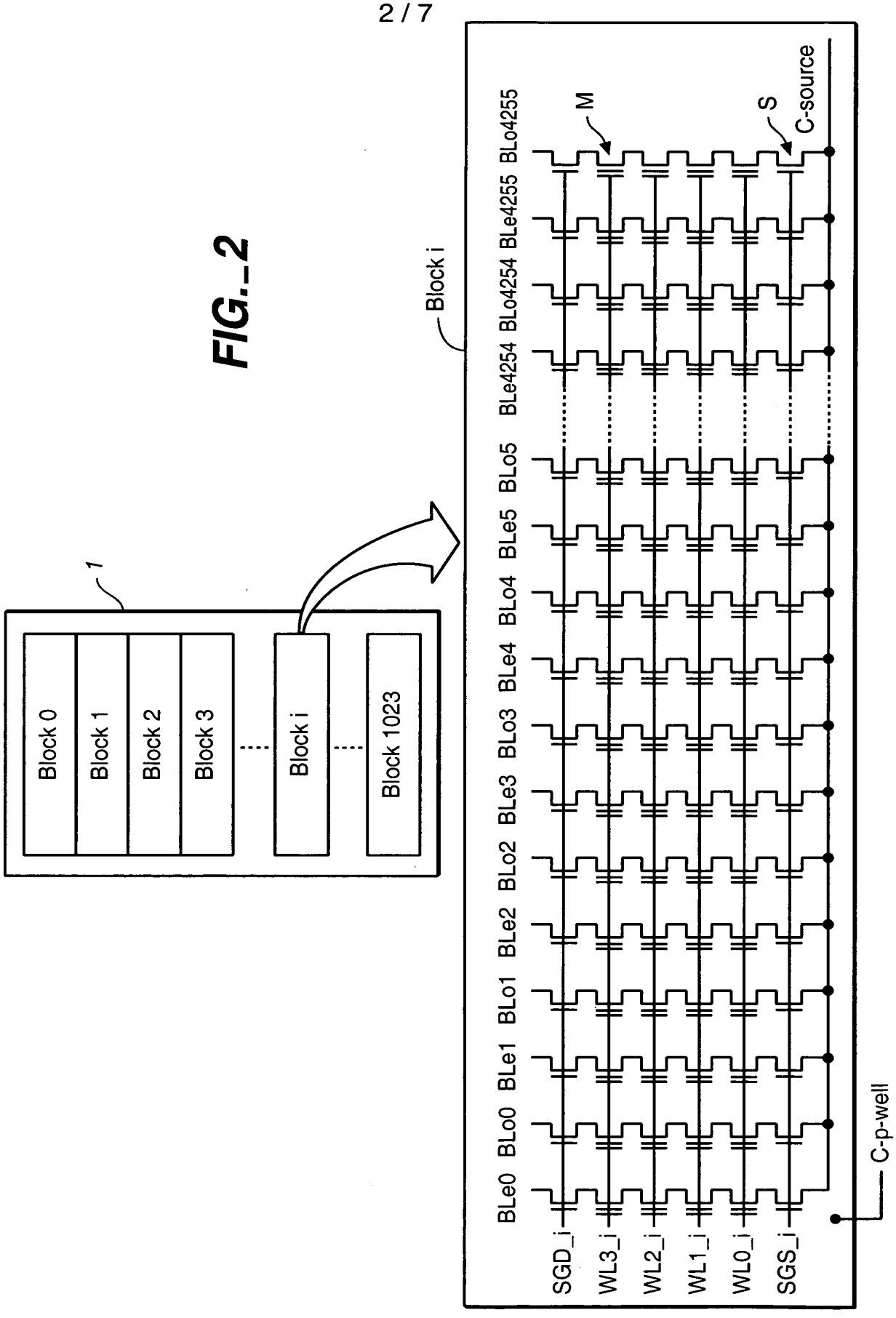


FIG._1

FIG._2


1
Block 0
Block 1
Block 2
Block 3
Block i
Block 1023
Block i
BLe0 BLo0 BLe1 BLo1 BLe2 BLo2 BLe3 BLo3 BLe4 BLo4 BLe5 BLo5 BLe4254 BLo4254 BLe4255 BLo4255
M
S
C-source
C-p-well
SGD_i
WL3_i
WL2_i
WL1_i
WL0_i
SGS_i

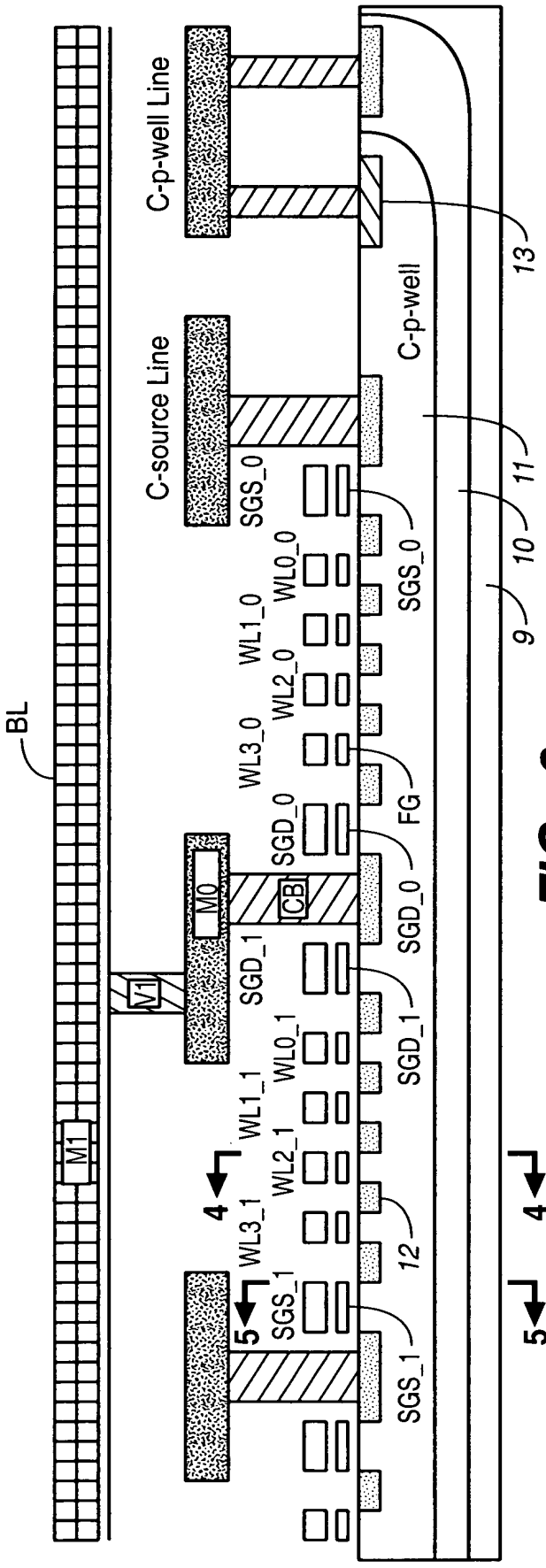

BL
C-p-well Line
C-source Line
C-p-well
13
11
10
9
12
SGS_0
WL0_0
WL1_0
WL2_0
WL3_0
SGD_0
FG
SGD_0
SGD_1
WL0_1
WL1_1
WL2_1
WL3_1
SGS_1
SGS_0
SGD_1
SGS_1
M0
M1
V1
CB
4
4
5
5

FIG._3

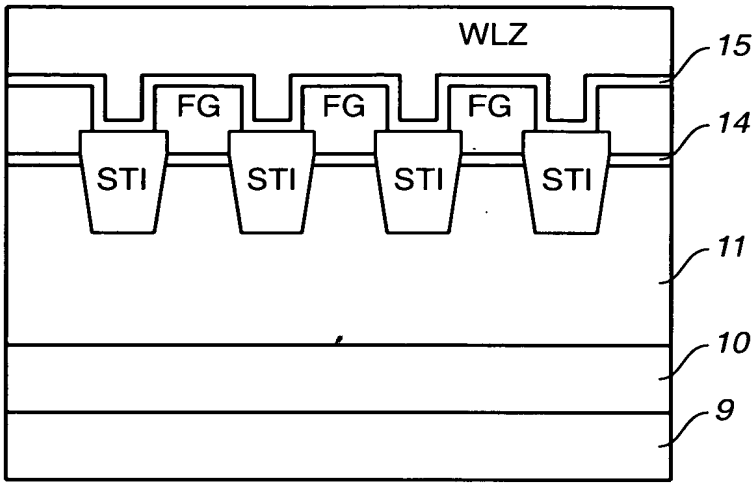

WLZ
15
FG
FG
FG
14
STI
STI
STI
STI
11
10
9

FIG._4

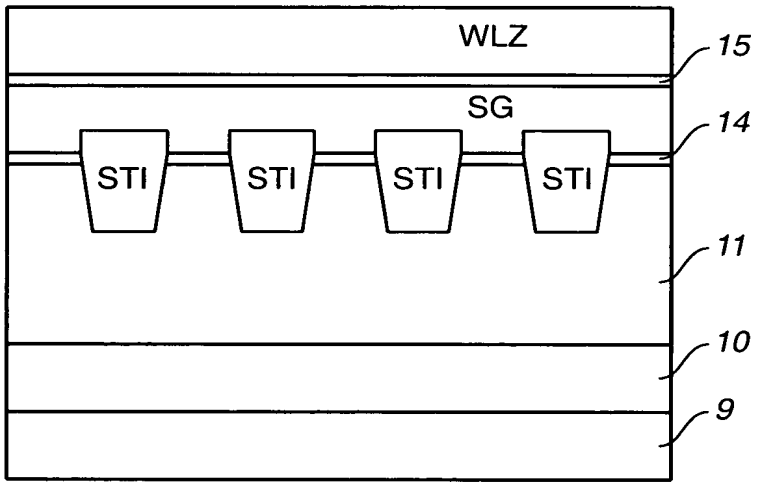

WLZ
15
SG
14
STI
STI
STI
STI
11
10
9

FIG._5

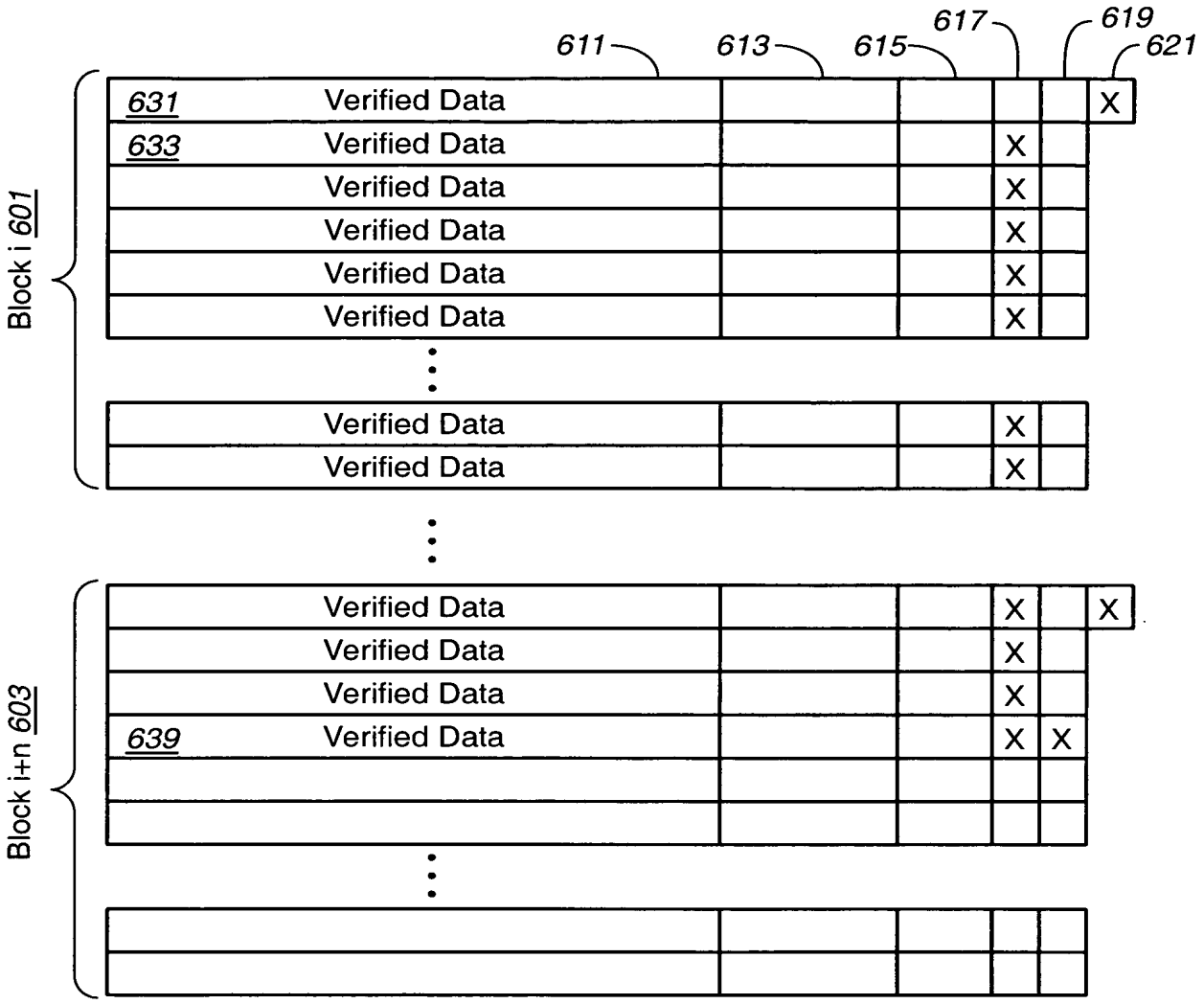

611
613
615
617
619
621
Block i 601
631
633
Verified Data
Block i+n 603
639
X

FIG._6A

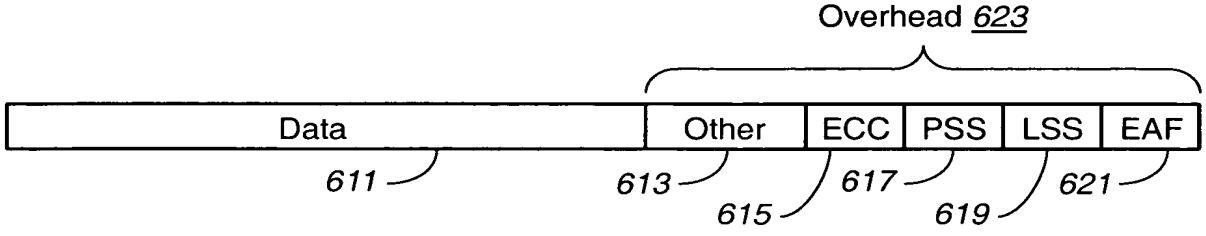

Overhead 623
Data
Other
ECC
PSS
LSS
EAF
611
613
615
617
619
621

FIG._6B

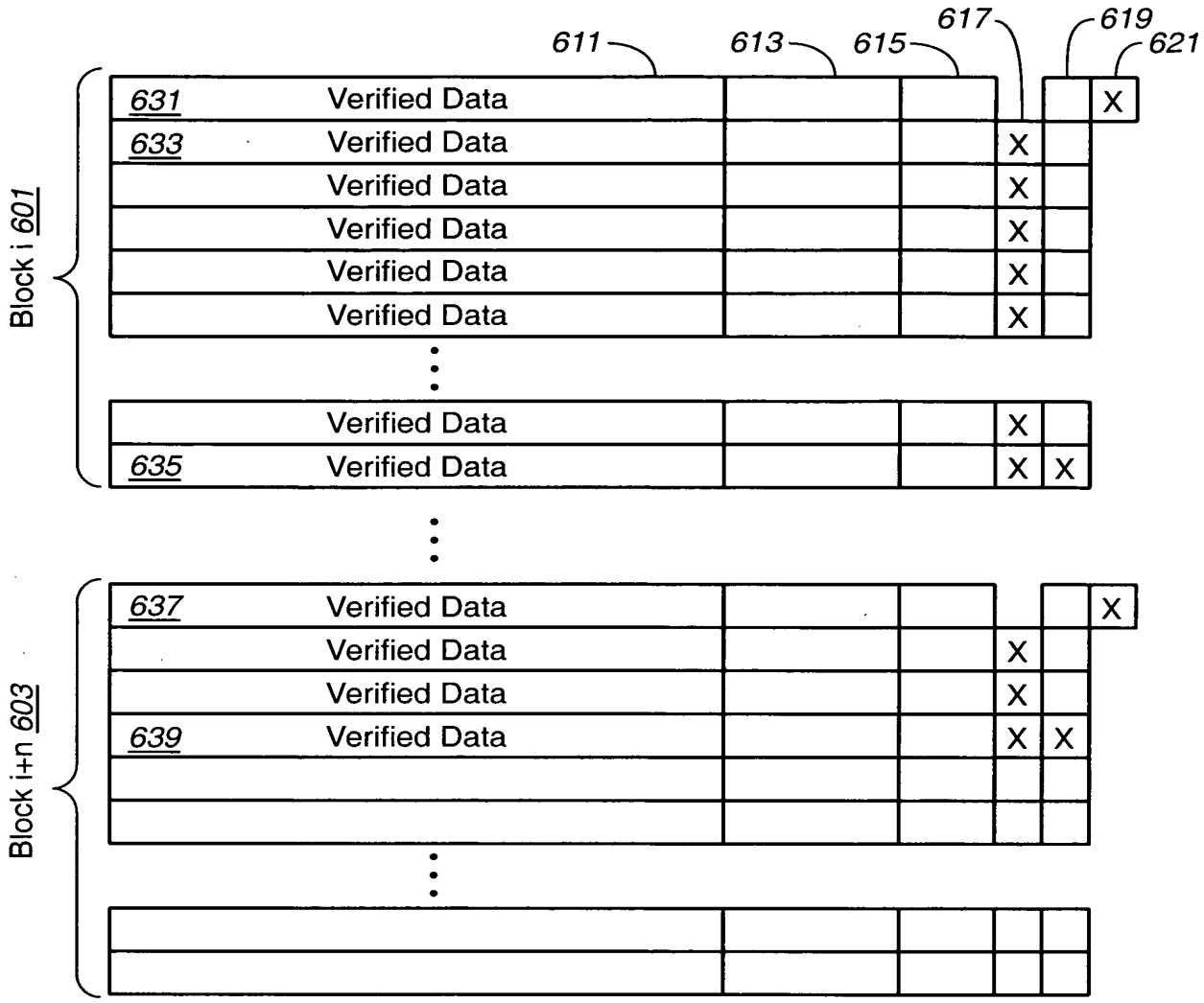

611
613
615
617
619
621
Block i 601
631 Verified Data
633 Verified Data
Verified Data
Verified Data
Verified Data
Verified Data
Verified Data
635 Verified Data
Block i+n 603
637 Verified Data
Verified Data
Verified Data
639 Verified Data

FIG._6C

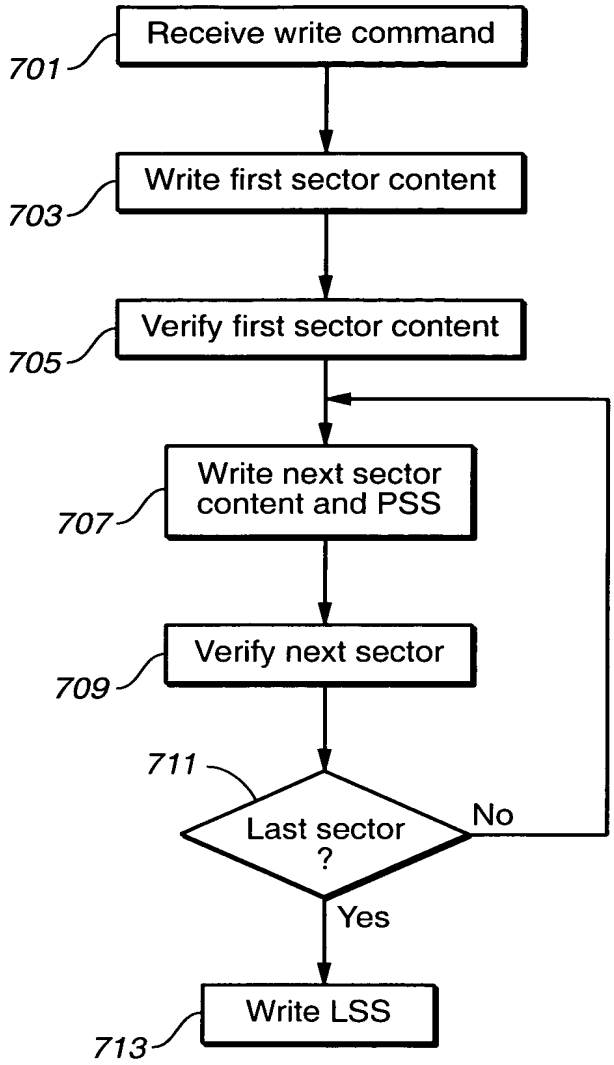

Receive write command
701
Write first sector content
703
Verify first sector content
705
Write next sector content and PSS
707
Verify next sector
709
711
Last sector ?
No
Yes
Write LSS
713

FIG._7